

## Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID: ssspt189dxw

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

NEWS 1	NOV 21	Web Page for STN Seminar Schedule - N. America
NEWS 2		CAS patent coverage to include exemplified prophetic substances identified in English-, French-, German-, and Japanese-language basic patents from 2004-present
NEWS 3	NOV 26	MARPAT enhanced with FSORT command
NEWS 4	NOV 26	CHEMSAFE now available on STN Easy
NEWS 5	NOV 26	Two new SET commands increase convenience of STN searching
NEWS 6	DEC 01	ChemPort single article sales feature unavailable
NEWS 7	DEC 12	GBFULL now offers single source for full-text coverage of complete UK patent families
NEWS 8	DEC 17	Fifty-one pharmaceutical ingredients added to PS
NEWS 9	JAN 06	The retention policy for unread STNmail messages will change in 2009 for STN-Columbus and STN-Tokyo
NEWS 10	JAN 07	WPIDS, WPINDEX, and WPIX enhanced Japanese Patent Classification Data
NEWS 11	FEB 02	Simultaneous left and right truncation (SLART) added for CERAB, COMPUAB, ELCOM, and SOLIDSTATE
NEWS 12	FEB 02	GENBANK enhanced with SET PLURALS and SET SPELLING
NEWS 13	FEB 06	Patent sequence location (PSL) data added to USGENE
NEWS 14	FEB 10	COMPENDEX reloaded and enhanced
NEWS 15	FEB 11	WTEXTILES reloaded and enhanced
NEWS 16	FEB 19	New patent-examiner citations in 300,000 CA/CAplus patent records provide insights into related prior art
NEWS 17	FEB 19	Increase the precision of your patent queries -- use terms from the IPC Thesaurus, Version 2009.01
NEWS 18	FEB 23	Several formats for image display and print options discontinued in USPATFULL and USPAT2
NEWS 19	FEB 23	MEDLINE now offers more precise author group fields and 2009 MeSH terms
NEWS 20	FEB 23	TOXCENTER updates mirror those of MEDLINE - more precise author group fields and 2009 MeSH terms
NEWS 21	FEB 23	Three million new patent records blast AEROSPACE into STN patent clusters
NEWS 22	FEB 25	USGENE enhanced with patent family and legal status display data from INPADOCDB
NEWS 23	MAR 06	INPADOCDB and INPAFAMDB enhanced with new display formats
NEWS 24	MAR 11	EPFULL backfile enhanced with additional full-text applications and grants
NEWS 25	MAR 11	ESBIOBASE reloaded and enhanced
NEWS 26	MAR 20	CAS databases on STN enhanced with new super role for nanomaterial substances
NEWS 27	MAR 23	CA/CAplus enhanced with more than 250,000 patent equivalents from China

NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,  
AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN customer agreement. This agreement limits use to scientific research. Use for software development or design, implementation of commercial gateways, or use of CAS and STN data in the building of commercial products is prohibited and may result in loss of user privileges and other penalties.

FILE 'HOME' ENTERED AT 01:18:41 ON 30 MAR 2009

=> index bioscience  
FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED  
COST IN U.S. DOLLARS  
  
FULL ESTIMATED COST

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS, CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB, DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 01:19:02 ON 30 MAR 2009

68 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view search error messages that display as 0\* with SET DETAIL OFF.

```
=> s devulcaniz? and rubber(p)particle? and bacteria and break?(p)sulfur(p)bridges
0* FILE ADISNEWS
0* FILE ANTE
0* FILE AQUALINE
0* FILE BIOENG
0* FILE BIOTECHABS
0* FILE BIOTECHDS
0* FILE BIOTECHNO
0* FILE CEABA-VTB
0* FILE CIN
0* FILE FOMAD
0* FILE FOREGE
0* FILE FROSTI
0* FILE FSTA
35 FILES SEARCHED...
1 FILE IFIPAT
0* FILE KOSMET
0* FILE NTIS
0* FILE NUTRACEUT
0* FILE PASCAL
0* FILE PHARMAML
1 FILE USPATFULL
0* FILE WATER
1 FILE WPIDS
```

1 FILE WPINDEX

4 FILES HAVE ONE OR MORE ANSWERS, 68 FILES SEARCHED IN STNINDEX

L1 QUE DEVULCANIZ? AND RUBBER(P) PARTICLE? AND BACTERIA AND BREAK?(P) SULFUR(P) BRIDGES

=> file ifipat uspatfull  
COST IN U.S. DOLLARS  
FULL ESTIMATED COST

	SINCE FILE ENTRY	TOTAL SESSION
	1.36	1.58

FILE 'IFIPAT' ENTERED AT 01:20:25 ON 30 MAR 2009  
COPYRIGHT (C) 2009 IFI CLAIMS(R) Patent Services (IFI)

FILE 'USPATFULL' ENTERED AT 01:20:25 ON 30 MAR 2009  
CA INDEXING COPYRIGHT (C) 2009 AMERICAN CHEMICAL SOCIETY (ACS)

=> s l1  
L2 2 L1

=> rem dup l2  
DUP IS NOT VALID HERE  
The DELETE command is used to remove various items stored by the system.

To delete a saved query, saved answer set, saved L-number list, SDI request, batch request, mailing list, or user-defined cluster, format, or search field, enter the name. The name may include ? for left, right, or simultaneous left and right truncation.

Examples:

DELETE BIO?/Q	- delete query names starting with BIO
DELETE ?DRUG/A	- delete answer set names ending with DRUG
DELETE ?ELEC?/L	- delete L-number lists containing ELEC
DELETE ANTICOAG/S	- delete SDI request
DELETE ENZYME/B	- delete batch request
DELETE .MYCLUSTER	- delete user-defined cluster
DELETE .MYFORMAT	- delete user-defined display format
DELETE .MYFIELD	- delete user-defined search field
DELETE NAMELIST MYLIST	- delete mailing list

To delete an ordered document or an offline print, enter its number.

Examples:

DELETE P123001C	- delete print request
DELETE D134002C	- delete document order request

To delete an individual L-number or range of L-numbers, enter the L-number or L-number range. You may also enter DELETE LAST followed by a number, n, to delete the last n L-numbers. RENUMBER or NORENUMBER may also be explicitly specified to override the value of SET RENUMBER.

Examples:

DELETE L21	- delete a single L-number
DELETE L3-L6	- delete a range of L-numbers
DELETE LAST 4	- delete the last 4 L-numbers

```

DELETE L33-           - delete L33 and any higher L-number
DELETE -L55           - delete L55 and any lower L-number
DELETE L2-L6 RENUMBER - delete a range of L-numbers and
                       renumber remaining L-numbers
DELETE RENUMBER       - renumber L-numbers after deletion of
                       intermediate L-numbers

```

Entire sets of saved items, SDI requests, batch requests, user-defined items, or E-numbers can be deleted.

Examples:

```

DELETE SAVED/Q - delete all saved queries
DELETE SAVED/A - delete all saved answer sets
DELETE SAVED/L - delete all saved L-number lists
DELETE SAVED   - delete all saved queries, answer sets,
                 and L-number lists
DELETE SAVED/S - delete all SDI requests
DELETE SAVED/B - delete all batch requests
DELETE CLUSTER - delete all user-defined clusters
DELETE FORMAT  - delete all user-defined display formats
DELETE FIELD   - delete all user-defined search fields
DELETE SELECT  - delete all E-numbers
DELETE HISTORY - delete all L-numbers and restart the
                 session at L1

```

To delete an entire multifile SDI request, enter DELETE and the name of the request. To delete a component from the multifile SDI, enter DELETE and the name of the component.

```

=> s 12
L3           2 L2

=> rem dup 13
DUP IS NOT VALID HERE
The DELETE command is used to remove various items stored by the
system.

```

To delete a saved query, saved answer set, saved L-number list, SDI request, batch request, mailing list, or user-defined cluster, format, or search field, enter the name. The name may include ? for left, right, or simultaneous left and right truncation.

Examples:

```

DELETE BIO?/Q           - delete query names starting with BIO
DELETE ?DRUG/A          - delete answer set names ending with DRUG
DELETE ?ELEC?/L          - delete L-number lists containing ELEC
DELETE ANTICOAG/S        - delete SDI request
DELETE ENZYME/B          - delete batch request
DELETE .MYCLUSTER        - delete user-defined cluster
DELETE .MYFORMAT          - delete user-defined display format
DELETE .MYFIELD           - delete user-defined search field
DELETE NAMELIST MYLIST   - delete mailing list

```

To delete an ordered document or an offline print, enter its number.

Examples:

```

DELETE P123001C          - delete print request
DELETE D134002C          - delete document order request

```

To delete an individual L-number or range of L-numbers, enter the L-number or L-number range. You may also enter DELETE LAST followed by a number, n, to delete the last n L-numbers. RENUMBER or NORENUMBER may also be explicitly specified to override the value of SET RENUMBER.

Examples:

DELETE L21	- delete a single L-number
DELETE L3-L6	- delete a range of L-numbers
DELETE LAST 4	- delete the last 4 L-numbers
DELETE L33-	- delete L33 and any higher L-number
DELETE -L55	- delete L55 and any lower L-number
DELETE L2-L6 RENUMBER	- delete a range of L-numbers and renumber remaining L-numbers
DELETE RENUMBER	- renumber L-numbers after deletion of intermediate L-numbers

Entire sets of saved items, SDI requests, batch requests, user-defined items, or E-numbers can be deleted.

Examples:

DELETE SAVED/Q	- delete all saved queries
DELETE SAVED/A	- delete all saved answer sets
DELETE SAVED/L	- delete all saved L-number lists
DELETE SAVED	- delete all saved queries, answer sets, and L-number lists
DELETE SAVED/S	- delete all SDI requests
DELETE SAVED/B	- delete all batch requests
DELETE CLUSTER	- delete all user-defined clusters
DELETE FORMAT	- delete all user-defined display formats
DELETE FIELD	- delete all user-defined search fields
DELETE SELECT	- delete all E-numbers
DELETE HISTORY	- delete all L-numbers and restart the session at L1

To delete an entire multifile SDI request, enter DELETE and the name of the request. To delete a component from the multifile SDI, enter DELETE and the name of the component.

```
=> dup rem l3
PROCESSING COMPLETED FOR L3
L4          1 DUP REM L3 (1 DUPLICATE REMOVED)

=> d 14 1

L4  ANSWER 1 OF 1  IFIPAT  COPYRIGHT 2009 IFI on STN  DUPLICATE 1
AN  11359995  IFIPAT;IFIUDB;IFICDB
TI  Process for surface activation and/or devulcanisation of
    sulfur-vulcanized rubber particles
IN  Neumann Willi (DE)
PA  Unassigned Or Assigned To Individual (68000)
PPA  Cristallo Holdings Inc CA (Probable)
PI  US 20070009997  A1  20070111
AI  US 2004-551664  20040329
    WO 2004-IB932  20040329
    20060621  PCT 371 date
    20060621  PCT 102(e) date
PRAI  DE 2003-10314893  20030401
FI  US 20070009997  20070111
```

DT Utility; Patent Application - First Publication  
FS CHEMICAL  
APPLICATION  
ED Entered STN: 12 Jan 2007  
Last Updated on STN: 15 Feb 2007  
CLMN 21

=> d hist

(FILE 'HOME' ENTERED AT 01:18:41 ON 30 MAR 2009)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS, CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB, DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 01:19:02 ON 30 MAR 2009  
SEA DEVULCANIZ? AND RUBBER(P) PARTICLE? AND BACTERIA AND BREAK?(-----

0\* FILE ADISNEWS  
0\* FILE ANTE  
0\* FILE AQUALINE  
0\* FILE BIOENG  
0\* FILE BIOTECHABS  
0\* FILE BIOTECHDS  
0\* FILE BIOTECHNO  
0\* FILE CEABA-VTB  
0\* FILE CIN  
0\* FILE FOMAD  
0\* FILE FOREGE  
0\* FILE FROSTI  
0\* FILE FSTA  
1 FILE IFIPAT  
0\* FILE KOSMET  
0\* FILE NTIS  
0\* FILE NUTRACEUT  
0\* FILE PASCAL  
0\* FILE PHARMAML  
1 FILE USPATFULL  
0\* FILE WATER  
1 FILE WPIDS  
1 FILE WPINDEX

L1 QUE DEVULCANIZ? AND RUBBER(P) PARTICLE? AND BACTERIA AND BREAK?-----

FILE 'IFIPAT, USPATFULL' ENTERED AT 01:20:25 ON 30 MAR 2009

L2 2 S L1  
L3 2 S L2  
L4 1 DUP REM L3 (1 DUPLICATE REMOVED)

=> logoff

ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	5.85	7.43

STN INTERNATIONAL LOGOFF AT 01:20:49 ON 30 MAR 2009

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID: ssspt189dxw

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

NEWS 1		Web Page for STN Seminar Schedule - N. America
NEWS 2	AUG 10	Time limit for inactive STN sessions doubles to 40 minutes
NEWS 3	AUG 18	COMPENDEX indexing changed for the Corporate Source (CS) field
NEWS 4	AUG 24	ENCOMPLIT/ENCOMPLIT2 reloaded and enhanced
NEWS 5	AUG 24	CA/CAplus enhanced with legal status information for U.S. patents
NEWS 6	SEP 09	50 Millionth Unique Chemical Substance Recorded in CAS REGISTRY
NEWS 7	SEP 11	WPIDS, WPINDEX, and WPIX now include Japanese FTERM thesaurus
NEWS 8	OCT 21	Derwent World Patents Index Coverage of Indian and Taiwanese Content Expanded
NEWS 9	OCT 21	Derwent World Patents Index enhanced with human translated claims for Chinese Applications and Utility Models
NEWS 10	NOV 23	Addition of SCAN format to selected STN databases
NEWS 11	NOV 23	Annual Reload of IFI Databases
NEWS 12	DEC 01	FRFULL Content and Search Enhancements
NEWS 13	DEC 01	DGENE, USGENE, and PCTGEN: new percent identity feature for sorting BLAST answer sets
NEWS 14	DEC 02	Derwent World Patent Index: Japanese FI-TERM thesaurus added
NEWS 15	DEC 02	PCTGEN enhanced with patent family and legal status display data from INPADOCDB
NEWS 16	DEC 02	USGENE: Enhanced coverage of bibliographic and sequence information
NEWS 17	DEC 21	New Indicator Identifies Multiple Basic Patent Records Containing Equivalent Chemical Indexing in CA/CAplus
NEWS 18	JAN 12	Match STN Content and Features to Your Information Needs, Quickly and Conveniently
NEWS 19	JAN 25	Annual Reload of MEDLINE database
NEWS 20	FEB 16	STN Express Maintenance Release, Version 8.4.2, Is Now Available for Download
NEWS 21	FEB 16	Derwent World Patents Index (DWPI) Revises Indexing of Author Abstracts
NEWS 22	FEB 16	New FASTA Display Formats Added to USGENE and PCTGEN
NEWS 23	FEB 16	INPADOCDB and INPAFAMDB Enriched with New Content and Features
NEWS 24	FEB 16	INSPEC Adding Its Own IPC codes and Author's E-mail Addresses

NEWS EXPRESS FEBRUARY 15 10 CURRENT WINDOWS VERSION IS V8.4.2,  
AND CURRENT DISCOVER FILE IS DATED 15 JANUARY 2010.

NEWS HOURS      STN Operating Hours Plus Help Desk Availability  
NEWS LOGIN      Welcome Banner and News Items

Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'HOME' ENTERED AT 19:28:17 ON 11 MAR 2010

=> index bioscience  
FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED  
COST IN U.S. DOLLARS  
  
FULL ESTIMATED COST

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS, CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB, DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 19:28:35 ON 11 MAR 2010

63 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view search error messages that display as 0\* with SET DETAIL OFF.

```
=> s rubber? and (Desulfuromonas or Sulfurospirillum)
      1  FILE BIOTECHABS
      1  FILE BIOTECHDHS
      1  FILE CAPLUS
      1  FILE IFIPAT
      1  FILE PROMT
     16  FILE USPATFULL
56 FILES SEARCHED...
      4  FILE USPAT2
      2  FILE WPIDS
      2  FILE WPINDEX
```

9 FILES HAVE ONE OR MORE ANSWERS. 63 FILES SEARCHED IN STNINDEX

## L1 QUE RUBBER? AND (DESULFUROMONAS OR SULFUROSPIRILLUM)

=> file biotechabs biotechds caplus ifipat prompt uspatfull uspat2  
COST IN U.S. DOLLARS SINCE FILE TOTAL  
ENTRY SESSION  
FULL ESTIMATED COST 0.69 0.91

FILE 'BIOTECHABS' ACCESS NOT AUTHORIZED

FILE 'BIOTECHDS' ENTERED AT 19:29:26 ON 11 MAR 2010  
COPYRIGHT (C) 2010 THOMSON REUTERS

FILE 'CAPLUS' ENTERED AT 19:29:26 ON 11 MAR 2010  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2010 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'IFIPAT' ENTERED AT 19:29:26 ON 11 MAR 2010  
COPYRIGHT (C) 2010 IFI CLAIMS(R) Patent Services (IFI)

FILE 'PROMT' ENTERED AT 19:29:26 ON 11 MAR 2010  
COPYRIGHT (C) 2010 Gale Group. All rights reserved.

FILE 'USPATFULL' ENTERED AT 19:29:26 ON 11 MAR 2010  
CA INDEXING COPYRIGHT (C) 2010 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 19:29:26 ON 11 MAR 2010  
CA INDEXING COPYRIGHT (C) 2010 AMERICAN CHEMICAL SOCIETY (ACS)

=> s 11  
L2 24 L1

=> dup rem 12  
PROCESSING COMPLETED FOR L2  
L3 23 DUP REM L2 (1 DUPLICATE REMOVED)

=> s 13 and treat?  
L4 22 L3 AND TREAT?

=> d 14 1-22

L4 ANSWER 1 OF 22 CAPLUS COPYRIGHT 2010 ACS on STN  
AN 2004:847590 CAPLUS  
DN 141:333430  
TI Process for surface activation and/or devulcanization of sulfur-vulcanized  
rubber particles  
IN Neumann, Willi  
PA Cristallo Holdings Inc., Can.  
SO PCT Int. Appl., 20 pp.  
CODEN: PIXXD2  
DT Patent  
LA German  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004087799	A1	20041014	WO 2004-IB932	20040329
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE	10314893	A1	20041104	DE 2003-10314893	20030401
AU	2004226152	A1	20041014	AU 2004-226152	20040329
CA	2521255	A1	20041014	CA 2004-2521255	20040329
EP	1620498	A1	20060201	EP 2004-724078	20040329
EP	1620498	B1	20080806		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK				
CN	1777636	A	20060524	CN 2004-80010990	20040329
CN	100355821	C	20071219		
JP	2006522198	T	20060928	JP 2006-506400	20040329
BR	2004019272	A	20080408	BR 2004-19272	20040329
AT	403698	T	20080815	AT 2004-724078	20040329

PT 1620498	E	20081117	PT 2004-724078	20040329
ES 2312986	T3	20090301	ES 2004-724078	20040329
RU 2354671	C2	20090510	RU 2005-132452	20040329
ZA 2005008463	A	20061129	ZA 2005-8463	20051019
IN 2005MN01176	A	20060505	IN 2005-MN1176	20051024
US 20070009997	A1	20070111	US 2006-551664	20060621
PRAI DE 2003-10314893	A	20030401		
WO 2004-IB932	W	20040329		

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT  
 RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 22 IFIPAT COPYRIGHT 2010 IFI on STN  
 AN 10668169 IFIPAT;IFIUDB;IFICDB  
 TI Microorganism coating components, coatings, and coated surfaces;  
 Cell-based particulate as surface treatment component;  
 concentrating cells and removing culture media; disrupting, drying  
 IN McDaniel C Steven  
 PA Reactive Surfaces Ltd (74649)  
 PI US 20040175407 A1 20040909 (CITED IN 004 LATER PATENTS)  
 AI US 2004-792516 20040303 (10)  
 RLI US 2003-655345 20030904 CONTINUATION PENDING  
 PRAI US 2002-409102P 20020909 (Provisional)  
 FI US 20040175407 20040909  
 DT Utility; Patent Application - First Publication  
 FS CHEMICAL  
 APPLICATION  
 ED Entered STN: 10 Sep 2004  
 Last Updated on STN: 25 Sep 2006  
 CLMN 308

L4 ANSWER 3 OF 22 PROMT COPYRIGHT 2010 Gale Group on STN

ACCESSION NUMBER: 2001:958247 PROMT  
 TITLE: A world of extremes.  
 AUTHOR(S): WRIGHT, PHILLIP C; BUSTARD, MARK T  
 SOURCE: Chemistry and Industry, (16 Apr 2001) pp. 238.  
 ISSN: ISSN: 0009-3068.  
 PUBLISHER: Society of Chemical Industry  
 DOCUMENT TYPE: Newsletter  
 LANGUAGE: English  
 WORD COUNT: 2874  
 \*FULL TEXT IS AVAILABLE IN THE ALL FORMAT\*

L4 ANSWER 4 OF 22 USPATFULL on STN  
 AN 2008:354811 USPATFULL  
 TI Anaerobic Production of Hydrogen and Other Chemical Products  
 IN Cox, Marion E., Morgan Hill, CA, UNITED STATES  
 McDonald, Jeremy N., San Jose, CA, UNITED STATES  
 Nondorf, Laura M., Morgan Hill, CA, UNITED STATES  
 Cox, Steven M., Morgan Hill, CA, UNITED STATES  
 PI US 20080311640 A1 20081218  
 AI US 2006-912881 A1 20060427 (11)  
 WO 2006-US16332 20060427  
 20080623 PCT 371 date  
 PRAI US 2005-678101P 20050503 (60)  
 US 2005-677856P 20050503 (60)  
 US 2005-678077P 20050503 (60)  
 US 2005-678100P 20050503 (60)  
 US 2005-678098P 20050503 (60)  
 US 2005-677998P 20050503 (60)  
 DT Utility

FS APPLICATION  
LN.CNT 4369  
INCL INCLM: 435/168.000  
INCLS: 435/290.400; 435/286.100; 435/303.200; 435/252.100  
NCL NCLM: 435/168.000  
NCLS: 435/252.100; 435/286.100; 435/290.400; 435/303.200  
IC IPCI C12P0003-00 [I,A]; C12M0003-00 [I,A]; C12M0001-36 [I,A];  
C12N0001-20 [I,A]  
IPCR C12P0003-00 [I,C]; C12P0003-00 [I,A]; C12M0001-36 [I,C];  
C12M0001-36 [I,A]; C12M0003-00 [I,C]; C12M0003-00 [I,A];  
C12N0001-20 [I,C]; C12N0001-20 [I,A]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 5 OF 22 USPATFULL on STN  
AN 2008:341269 USPATFULL  
TI BIOGENIC FUEL GAS GENERATION IN GEOLOGIC HYDROCARBON DEPOSITS  
IN Pfeiffer, Robert S., Parker, CO, UNITED STATES  
Ulrich, Glenn, Golden, CO, UNITED STATES  
Vanzin, Gary, Arvada, CO, UNITED STATES  
Dannar, Verlin, Sheridan, WY, UNITED STATES  
DeBruyn, Roland P., Highlands Ranch, CO, UNITED STATES  
Dodson, James B., Castle Rock, CO, UNITED STATES  
PA LUCA Technologies, Inc., Golden, CO, UNITED STATES (U.S. corporation)  
PI US 20080299635 A1 20081204  
US 7640978 B2 20100105  
AI US 2008-136728 A1 20080610 (12)  
RLI Continuation of Ser. No. US 2006-343429, filed on 30 Jan 2006, Pat. No.  
US 7426960 Continuation-in-part of Ser. No. WO 2005-US15259, filed on 3  
May 2005, PENDING

DT Utility  
FS APPLICATION

LN.CNT 1503  
INCL INCLM: 435/167.000  
INCLS: 435/261.000  
NCL NCLM: 435/167.000  
NCLS: 435/261.000  
IC IPCI C12P0005-02 [I,A]; C12P0005-00 [I,C\*]; C12N0001-20 [I,A]  
IPCI-2 E21B0043-22 [I,A]; E21B0043-16 [I,C\*]; C09K0008-58 [I,A]  
IPCR E21B0043-16 [I,C]; E21B0043-22 [I,A]; C09K0008-58 [I,C];  
C09K0008-58 [I,A]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 6 OF 22 USPATFULL on STN  
AN 2008:330646 USPATFULL  
TI BIOGENIC FUEL GAS GENERATION IN GEOLOGIC HYDROCARBON DEPOSITS  
IN Pfeiffer, Robert S., Parker, CO, UNITED STATES  
Ulrich, Glenn, Golden, CO, UNITED STATES  
Vanzin, Gary, Arvada, CO, UNITED STATES  
Dannar, Verlin, Sheridan, WY, UNITED STATES  
DeBruyn, Roland P., Highlands Ranch, CO, UNITED STATES  
Dodson, James B., Castle Rock, CO, UNITED STATES  
PA LUCA Technologies, Inc., Golden, CO, UNITED STATES (U.S. corporation)  
PI US 20080289816 A1 20081127  
AI US 2008-129441 A1 20080529 (12)  
RLI Continuation of Ser. No. US 2006-343429, filed on 30 Jan 2006, Pat. No.  
US 7426960 Continuation-in-part of Ser. No. WO 2005-US15259, filed on 3  
May 2005, PENDING

DT Utility  
FS APPLICATION

LN.CNT 1044  
INCL INCLM: 166/246.000  
INCLS: 166/302.000; 166/305.100

NCL      NCLM: 166/246.000  
NCLS: 166/302.000; 166/305.100  
IC      IPCI E21B0043-22 [I,A]; E21B0043-16 [I,A]; E21B0036-00 [I,A]  
IPCR E21B0043-16 [I,C]; E21B0043-22 [I,A]; E21B0036-00 [I,C];  
E21B0036-00 [I,A]; E21B0043-16 [I,A]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4      ANSWER 7 OF 22 USPATFULL on STN  
AN      2008:326628 USPATFULL  
TI      MICROBIAL FUEL CELLS  
IN      Lovley, Derek R., Bernardston, MA, UNITED STATES  
Nevin, Kelly P., Pelham, MA, UNITED STATES  
Zhang, Minjuan, Ann Arbor, MI, UNITED STATES  
Jia, Hongfei, Ann Arbor, MI, UNITED STATES  
PA      Toyota Engineering & Manufacturing North America, Inc., Ann Arbor, MI,  
UNITED STATES (U.S. corporation)  
University of Massachusetts (U.S. corporation)  
PI      US 20080286624      A1 20081120  
AI      US 2007-750583      A1 20070518 (11)  
DT      Utility  
FS      APPLICATION  
LN.CNT 752  
INCL    INCLM: 429/027.000  
NCL    NCLM: 429/027.000  
IC      IPCI H01M0008-02 [I,A]; H01M0008-16 [I,A]  
IPCR H01M0008-02 [I,C]; H01M0008-02 [I,A]; H01M0008-16 [I,C];  
H01M0008-16 [I,A]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4      ANSWER 8 OF 22 USPATFULL on STN  
AN      2007:120920 USPATFULL  
TI      Primers for synthesizing full-length cDNA and their use  
IN      Ota, Toshio, Fujisawa-shi, JAPAN  
Isogai, Takao, Inashiki-gun, JAPAN  
Nishikawa, Tetsuo, Tokyo, JAPAN  
Hayashi, Koji, Ichihara-shi, JAPAN  
Saito, Kaoru, Kisarazu-shi, JAPAN  
Yamamoto, Junichi, Kisarazu-shi, JAPAN  
Ishii, Shizuko, Kisarazu-shi, JAPAN  
Sugiyama, Tomoyasu, Kisarazu-shi, JAPAN  
Wakamatsu, Ai, Kisarazu-shi, JAPAN  
Nagai, Keiichi, Tokyo, JAPAN  
Otsuki, Tetsuji, Kisarazu-shi, JAPAN  
PA      RESEARCH ASSOCIATION FOR BIOTECHNOLOGY (non-U.S. corporation)  
PI      US 20070105122      A1 20070510  
AI      US 2004-917503      A1 20040813 (10)  
RLI      Division of Ser. No. US 2000-629469, filed on 28 Jul 2000, ABANDONED  
PRAI    JP 1999-248036      19990929  
JP 1999-300253      19990827  
JP 2000-118776      20000111  
JP 2000-183767      20000502  
JP 2000-241899      20000609  
US 1999-159590P      19991018 (60)  
US 2000-183322P      20000217 (60)  
DT      Utility  
FS      APPLICATION  
LN.CNT 96883  
INCL    INCLM: 435/006.000  
INCLS: 536/023.200; 530/350.000; 435/069.100; 435/320.100; 435/325.000  
NCL    NCLM: 435/006.000  
NCLS: 435/069.100; 435/320.100; 435/325.000; 530/350.000; 536/023.200  
IC      IPCI C12Q0001-68 [I,A]; C07H0021-04 [I,A]; C07H0021-00 [I,C\*];

IPC C12P0021-06 [I,A]; C07K0014-705 [I,A]; C07K0014-435 [I,C\*]  
IPC C12Q0001-68 [I,C]; C12Q0001-68 [I,A]; A61K0038-00 [N,C\*];  
A61K0038-00 [N,A]; C07H0021-00 [I,C]; C07H0021-04 [I,A];  
C07K0014-435 [I,C]; C07K0014-47 [I,A]; C07K0014-705 [I,A];  
C12N0001-19 [I,C\*]; C12N0001-19 [I,A]; C12N0001-21 [I,C\*];  
C12N0001-21 [I,A]; C12N0015-12 [I,C\*]; C12N0015-12 [I,A];  
C12P0021-06 [I,C]; C12P0021-06 [I,A]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 9 OF 22 USPATFULL on STN  
AN 2007:120904 USPATFULL  
TI Methods and reagents for quantitative analysis of Dehalococcoides  
species  
IN Loeffler, Frank, Atlanta, GA, UNITED STATES  
PA Georgia Tech Research Corporation, Atlanta, GA, UNITED STATES,  
30332-0415 (U.S. corporation)  
PI US 20070105106 A1 20070510  
US 7595176 B2 20090929  
AI US 2004-558965 A1 20040527 (10)  
WO 2004-US16978 20040527  
20051130 PCT 371 date  
PRAI US 2003-474831P 20030530 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 939  
INCL INCLM: 435/006.000  
INCLS: 435/270.000  
NCL NCLM: 435/091.200; 435/006.000  
NCLS: 435/006.000; 435/091.100; 435/270.000  
IC IPCI C12Q0001-68 [I,A]; C12N0001-08 [I,A]  
IPCI-2 C12Q0001-68 [I,A]; C12P0019-34 [I,A]; C12P0019-00 [I,C\*]  
IPCR C12Q0001-68 [I,C]; C12Q0001-68 [I,A]; C07H0021-00 [I,C\*];  
C07H0021-02 [I,A]; C07H0021-04 [I,A]; C12N0015-10 [I,C\*];  
C12N0015-10 [I,A]; C12P0019-00 [I,C]; C12P0019-34 [I,A]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 10 OF 22 USPATFULL on STN  
AN 2007:11586 USPATFULL  
TI Process for surface activation and/or devulcanisation of  
sulfur-vulcanized rubber particles  
IN Neumann, Willi, Bad Dueben, GERMANY, FEDERAL REPUBLIC OF  
PI US 20070009997 A1 20070111  
AI US 2004-551664 A1 20040329 (10)  
WO 2004-IB932 20040329  
20060621 PCT 371 date  
PRAI DE 2003-10314893 20030401  
DT Utility  
FS APPLICATION  
LN.CNT 367  
INCL INCLM: 435/130.000  
INCLS: 521/041.000  
NCL NCLM: 435/130.000  
NCLS: 521/041.000  
IC IPCI C12P0011-00 [I,A]  
IPCR C12P0011-00 [I,C]; C12P0011-00 [I,A]; C08C0019-00 [I,C\*];  
C08C0019-08 [I,A]; C08J0011-00 [I,C\*]; C08J0011-18 [I,A];  
C12P0003-00 [I,C\*]; C12P0003-00 [I,A]; C12P0039-00 [I,C\*];  
C12P0039-00 [I,A]; C12S0099-00 [I,C\*]; C12S0099-00 [I,A]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 11 OF 22 USPATFULL on STN  
AN 2006:298421 USPATFULL

TI Biogenic fuel gas generation in geologic hydrocarbon deposits  
IN Pfeiffer, Robert S., Parker, CO, UNITED STATES  
Ulrich, Glenn, Golden, CO, UNITED STATES  
Vanzin, Gary, Arvada, CO, UNITED STATES  
Dannar, Verlin, Sheridan, WY, UNITED STATES  
DeBruyn, Roland P., Highlands Ranch, CO, UNITED STATES  
Dodson, James B., Castle Rock, CO, UNITED STATES  
PA LUCA Technologies, LLC, Golden, CO, UNITED STATES (U.S. corporation)  
PI US 20060254765 A1 20061116  
US 7426960 B2 20080923  
AI US 2006-343429 A1 20060130 (11)  
RLI Continuation-in-part of Ser. No. WO 2005-US15259, filed on 3 May 2005,  
PENDING  
DT Utility  
FS APPLICATION  
LN.CNT 1032  
INCL INCLM: 166/246.000  
INCLS: 166/252.300; 166/250.010; 166/267.000  
NCL NCLM: 166/246.000  
NCLS: 166/252.300; 166/272.600; 166/250.010; 166/267.000  
IC IPCI E21B0043-22 [I,A]; E21B0043-16 [I,C\*]; E21B0047-10 [I,A];  
E21B0043-40 [I,A]; E21B0043-34 [I,C\*]  
IPCI-2 E21B0043-22 [I,A]; E21B0043-16 [I,C\*]; E21B0049-08 [I,A];  
E21B0049-00 [I,C\*]  
IPCR E21B0043-16 [I,C]; E21B0043-22 [I,A]; E21B0049-00 [I,C];  
E21B0049-08 [I,A]  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 12 OF 22 USPATFULL on STN  
AN 2003:194597 USPATFULL  
TI Compositions and methods for microbial dechlorination of polychlorinated  
biphenyl compounds  
IN Sowers, Kevin R., Baltimore, MD, UNITED STATES  
May, Harold D., Charleston, SC, UNITED STATES  
PI US 20030134408 A1 20030717  
US 6946248 B2 20050920  
AI US 2001-860200 A1 20010518 (9)  
PRAI US 2000-205818P 20000519 (60)  
US 2001-266650P 20010206 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 1823  
INCL INCLM: 435/252.300  
INCLS: 435/262.500  
NCL NCLM: 435/006.000; 435/252.300  
NCLS: 435/243.000; 435/262.500  
IC [7]  
ICM C12N001-20  
ICS C12S001-00  
IPCI C12N0001-20 [ICM,7]; C12S0001-00 [ICS,7]  
IPCI-2 C12Q0001-68 [ICM,7]; C12N0001-00 [ICS,7]; B09B0003-00 [ICS,7]  
IPCR B09C0001-10 [I,C\*]; B09C0001-10 [I,A]; C02F0003-34 [I,C\*];  
C02F0003-34 [I,A]; C12P0039-00 [I,C\*]; C12P0039-00 [I,A]  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 13 OF 22 USPATFULL on STN  
AN 2002:868 USPATFULL  
TI Biological system for degrading nitroaromatics in water and soils  
IN Crawford, Donald L., Moscow, ID, United States  
Stevens, Todd O., Richland, WA, United States  
Crawford, Ronald L., Moscow, ID, United States  
PA Idaho Research Foundation, Inc., Moscow, ID, United States (U.S.

corporation)  
 PI US 6334954 B1 20020101  
 AI US 2000-587648 20000605 (9)  
 RLI Continuation of Ser. No. US 1997-799577, filed on 12 Feb 1997, now  
 patented, Pat. No. US 6084150 Continuation of Ser. No. US 1995-545903,  
 filed on 20 Oct 1995, now patented, Pat. No. US 5616162 Continuation of  
 Ser. No. US 1994-229462, filed on 18 Apr 1994, now abandoned  
 Continuation of Ser. No. US 1993-96735, filed on 23 Jul 1993, now  
 patented, Pat. No. US 5387271 Continuation-in-part of Ser. No. US  
 1990-508056, filed on 11 Apr 1990, now abandoned  
 DT Utility  
 FS GRANTED  
 LN.CNT 1464  
 INCL INCLM: 210/610.000  
 INCLS: 210/611.000; 588/202.000; 588/244.000; 405/263.000; 405/264.000;  
 435/262.500  
 NCL NCLM: 435/262.500  
 NCLS: 210/610.000; 210/611.000; 405/263.000; 405/264.000  
 IC [7]  
 ICM A62D003-00  
 ICS B09B003-00; C09K017-00; C02F003-00  
 IPCI A62D0003-00 [ICM, 7]; B09B0003-00 [ICS, 7]; C09K0017-00 [ICS, 7];  
 C02F0003-00 [ICS, 7]  
 IPCR A62D0003-02 [I,A]; A62D0003-00 [I,C\*]; A62D0003-00 [I,A];  
 B09C0001-10 [I,C\*]; B09C0001-10 [I,A]; C02F0003-12 [I,C\*];  
 C02F0003-12 [I,A]; C02F0003-28 [I,C\*]; C02F0003-28 [I,A];  
 C02F0003-30 [I,C\*]; C02F0003-30 [I,A]; C02F0003-34 [I,C\*];  
 C02F0003-34 [I,A]  
 EXF 588/202; 588/244; 210/603; 210/610; 210/611; 071/6; 071/8; 071/9;  
 071/10; 071/903; 071/904; 435/167; 435/262; 435/262.5; 405/263; 405/264  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 14 OF 22 USPATFULL on STN  
 AN 2001:55346 USPATFULL  
 TI Sulphur reducing bacterium and its use in biological desulphurization  
 processes  
 IN Stetter, Karl Otto, Regensburg, Germany, Federal Republic of  
 Huber, Harold, Hausen, Germany, Federal Republic of  
 Buisman, Cees Jan Nico, Harich, Netherlands  
 Dijkman, Henk, IJlst, Netherlands  
 Krol, Johannes Pieter, Sneek, Netherlands  
 PA Biostar Development C.V., Balk, Netherlands (non-U.S. corporation)  
 PI US 6217766 B1 20010417  
 WO 9802524 19980122  
 AI US 1999-230081 19990324 (9)  
 WO 1997-NL418 19970716  
 19990324 PCT 371 date  
 19990324 PCT 102(e) date  
 PRAI EP 1996-202023 19960716  
 DT Utility  
 FS Granted  
 LN.CNT 325  
 INCL INCLM: 210/605.000  
 INCLS: 210/612.000; 210/621.000; 210/630.000; 435/252.100  
 NCL NCLM: 210/605.000  
 NCLS: 210/612.000; 210/621.000; 210/630.000; 435/252.100  
 IC [7]  
 ICM C02F003-30  
 ICS C12N001-12  
 IPCI C02F0003-30 [ICM, 7]; C12N0001-12 [ICS, 7]  
 IPCR C12N0001-20 [I,C\*]; C12N0001-20 [I,A]; B01D0053-34 [I,C\*];  
 B01D0053-34 [I,A]; B01D0053-50 [I,C\*]; B01D0053-50 [I,A];

B01D0053-77 [I,C\*]; B01D0053-77 [I,A]; C01B0017-00 [I,C\*];  
C01B0017-02 [I,A]; C01B0017-05 [I,A]; C02F0003-28 [I,C\*];  
C02F0003-28 [I,A]; C02F0003-34 [I,C\*]; C02F0003-34 [I,A];  
C12S0001-00 [I,C\*]; C12S0001-02 [I,A]

EXF 210/601; 210/605; 210/612; 210/621; 210/630; 435/252.1

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 15 OF 22 USPATFULL on STN  
AN 2000:84486 USPATFULL  
TI Biological system for degrading nitroaromatics in water and soils  
IN Crawford, Donald L., Moscow, ID, United States  
Stevens, Todd O., Richland, WA, United States  
Crawford, Ronald L., Moscow, ID, United States  
PA Idaho Research Foundation, Inc., Moscow, ID, United States (U.S.  
corporation)  
PI US 6084150 20000704  
AI US 1997-799577 19970212 (8)  
RLI Continuation of Ser. No. US 1995-545903, filed on 20 Oct 1995 which is a  
continuation of Ser. No. US 1994-229462, filed on 18 Apr 1994 which is a  
continuation of Ser. No. US 1993-96735, filed on 23 Jul 1993, now  
patented, Pat. No. US 5387271 which is a continuation-in-part of Ser.  
No. US 1990-508056, filed on 11 Apr 1990, now abandoned  
DT Utility  
FS Granted  
LN.CNT 1594  
INCL INCLM: 588/244.000  
INCLS: 435/262.500; 405/263.000  
NCL NCLM: 435/262.500  
NCLS: 405/263.000  
IC [7]  
ICM A62D003-00  
ICS B09B003-00; C09K017-00  
IPCI A62D0003-00 [ICM,7]; B09B0003-00 [ICS,7]; C09K0017-00 [ICS,7]  
IPCR B09C0001-10 [I,A]; B09C0001-10 [I,C\*]; C02F0003-28 [I,A];  
C02F0003-28 [I,C\*]; C02F0003-30 [N,A]; C02F0003-30 [N,C\*];  
C02F0003-34 [I,A]; C02F0003-34 [I,C\*]  
EXF 210/603; 210/610; 210/611; 435/167; 435/262; 435/262.5; 071/6; 071/8-10;  
071/903; 071/904; 405/263; 588/244; 588/205  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 16 OF 22 USPATFULL on STN  
AN 97:26756 USPATFULL  
TI Biological system for degrading nitroaromatics in water and soils  
IN Crawford, Donald L., Moscow, ID, United States  
Stevens, Todd O., Richland, WA, United States  
Crawford, Ronald L., Moscow, ID, United States  
PA Idaho Research Foundation, Inc., Moscow, ID, United States (U.S.  
corporation)  
PI US 5616162 19970401  
AI US 1995-545903 19951020 (8)  
RLI Continuation of Ser. No. US 1994-229462, filed on 18 Apr 1994, now  
abandoned which is a continuation of Ser. No. US 1993-96735, filed on 23  
Jul 1993, now patented, Pat. No. US 5387271 which is a  
continuation-in-part of Ser. No. US 1990-508056, filed on 11 Apr 1990,  
now abandoned  
DT Utility  
FS Granted  
LN.CNT 1575  
INCL INCLM: 071/009.000  
INCLS: 071/010.000; 071/006.000; 071/903.000; 435/262.000; 435/262.500;  
210/610.000; 210/611.000  
NCL NCLM: 071/009.000

NCLS: 071/006.000; 071/010.000; 071/903.000; 210/610.000; 210/611.000;  
435/262.000; 435/262.500

IC [6]  
ICM C02F011-08  
ICS C02F003-00; C05G003-00  
IPCI C02F0011-08 [ICM,6]; C02F0011-06 [ICM,6,C\*]; C02F0003-00 [ICS,6];  
C05G0003-00 [ICS,6]  
IPCR A62D0003-00 [I,A]; A62D0003-00 [I,C\*]; A62D0003-02 [I,A];  
B09C0001-10 [I,C\*]; B09C0001-10 [I,A]; C02F0003-12 [I,C\*];  
C02F0003-12 [I,A]; C02F0003-28 [I,C\*]; C02F0003-28 [I,A];  
C02F0003-30 [I,C\*]; C02F0003-30 [I,A]; C02F0003-34 [I,C\*];  
C02F0003-34 [I,A]

EXF 071/6; 071/8-10; 071/903; 071/904; 435/262; 435/262.5; 210/610; 210/611  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 17 OF 22 USPATFULL on STN  
AN 95:11291 USPATFULL  
TI Biological system for degrading nitroaromatics in water and soils  
IN Crawford, Donald L., Moscow, ID, United States  
Stevens, Todd O., Richland, WA, United States  
Crawford, Ronald L., Moscow, ID, United States  
PA Idaho Research Foundation, Inc., Moscow, ID, United States (U.S.  
corporation)  
PI US 5387271 19950207  
AI US 1993-96735 19930723 (8)  
RLI Continuation-in-part of Ser. No. US 1990-508056, filed on 11 Apr 1990,  
now abandoned  
DT Utility  
FS Granted  
LN.CNT 1712  
INCL INCLM: 071/009.000  
INCLS: 071/010.000; 071/006.000; 071/903.000; 435/262.000; 435/262.500;  
210/610.000; 210/611.000  
NCL NCLM: 071/009.000  
NCLS: 071/006.000; 071/010.000; 071/903.000; 210/610.000; 210/611.000;  
435/262.000; 435/262.500  
IC [6]  
ICM C05F011-08  
ICS C02F003-00; C05G003-00  
IPCI C05F0011-08 [ICM,6]; C05F0011-00 [ICM,6,C\*]; C02F0003-00 [ICS,6];  
C05G0003-00 [ICS,6]  
IPCR A01N0033-00 [I,C\*]; A01N0033-22 [I,A]; A62D0003-00 [I,C\*];  
A62D0003-02 [I,A]; B09C0001-10 [I,C\*]; B09C0001-10 [I,A];  
C02F0003-00 [I,C\*]; C02F0003-00 [I,A]; C02F0003-12 [I,C\*];  
C02F0003-12 [I,A]; C02F0003-28 [I,C\*]; C02F0003-28 [I,A];  
C02F0003-30 [I,C\*]; C02F0003-30 [I,A]; C02F0003-34 [I,C\*];  
C02F0003-34 [I,A]; C05F0011-00 [I,C\*]; C05F0011-08 [I,A];  
C05G0003-00 [I,C\*]; C05G0003-00 [I,A]; C07C0205-00 [I,C\*];  
C07C0205-23 [I,A]; C09K0017-14 [I,C\*]; C09K0017-32 [I,A];  
C09K0101-00 [N,A]

EXF 071/6; 071/8-10; 071/903; 071/904; 435/262; 435/262.5; 210/610; 210/611  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 18 OF 22 USPATFULL on STN  
AN 93:27032 USPATFULL  
TI Method for microbial dehalogenation of haloaliphatic compounds using a  
sulfate reducing bacteria, desulfomonile tiedjei  
IN Cole, James R., East Lansing, MI, United States  
Fathepure, Babu Z., Lansing, MI, United States  
Tiedje, James M., Lansing, MI, United States  
PA Board of Trustees operating Michigan State University, East Lansing, MI,  
United States (U.S. corporation)

PI US 5200343 19930406  
AI US 1991-695295 19910503 (7)  
DT Utility  
FS Granted  
LN.CNT 711  
INCL INCLM: 435/262.500  
INCLS: 435/243.000; 435/262.000; 435/821.000; 435/822.000  
NCL NCLM: 435/262.500  
NCLS: 435/243.000; 435/262.000; 435/821.000; 435/822.000  
IC [5]  
ICM C12N009-00  
ICS C12N001-00  
IPCI C12N0009-00 [ICM,5]; C12N0001-00 [ICS,5]  
IPCR A62D0003-02 [I,A]; A62D0003-00 [I,C\*]; A62D0003-00 [I,A];  
B09C0001-10 [I,C\*]; B09C0001-10 [I,A]; C02F0003-12 [I,C\*];  
C02F0003-12 [I,A]; C02F0003-34 [I,C\*]; C02F0003-34 [I,A];  
C12P0001-04 [I,C\*]; C12P0001-04 [I,A]  
EXF 435/262.5; 435/262; 435/243  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 19 OF 22 USPAT2 on STN  
AN 2008:341269 USPAT2  
TI Biogenic fuel gas generation in geologic hydrocarbon deposits  
IN Pfeiffer, Robert S., Parker, CO, UNITED STATES  
Ulrich, Glenn, Golden, CO, UNITED STATES  
Vanzin, Gary, Arvada, CO, UNITED STATES  
Dannar, Verlin, Sheridan, WY, UNITED STATES  
DeBruyn, Roland P., Highlands Ranch, CO, UNITED STATES  
Dodson, James B., Castle Rock, CO, UNITED STATES  
PA LUCA Technologies, Inc., Golden, CO, UNITED STATES (U.S. corporation)  
PI US 7640978 B2 20100105  
AI US 2008-136728 20080610 (12)  
RLI Continuation of Ser. No. US 2006-343429, filed on 30 Jan 2006, Pat. No.  
US 7426960 Continuation-in-part of Ser. No. WO 2005-US15259, filed on 3  
May 2005, PENDING  
DT Utility  
FS GRANTED  
LN.CNT 1832  
INCL INCLM: 166/246.000  
INCLS: 507/201.000; 428/243.000  
NCL NCLM: 435/167.000  
NCLS: 435/261.000  
IC IPCI C12P0005-02 [I,A]; C12P0005-00 [I,C\*]; C12N0001-20 [I,A]  
IPCI-2 E21B0043-22 [I,A]; E21B0043-16 [I,C\*]; C09K0008-58 [I,A]  
IPCR E21B0043-16 [I,C]; E21B0043-22 [I,A]; C09K0008-58 [I,C];  
C09K0008-58 [I,A]  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 20 OF 22 USPAT2 on STN  
AN 2007:120904 USPAT2  
TI Methods and reagents for quantitative analysis of Dehalococcoides  
species  
IN Loeffler, Frank, Atlanta, GA, UNITED STATES  
Ritalahti, Kirsti M., Atlanta, GA, UNITED STATES  
PA Georgia Tech Research Corporation, Atlanta, GA, UNITED STATES (U.S.  
corporation)  
PI US 7595176 B2 20090929  
WO 2004108965 20041216  
AI US 2004-558965 20040527 (10)  
WO 2004-US16978 20040527  
20051130 PCT 371 date  
PRAI US 2003-474831P 20030530 (60)

DT Utility  
FS GRANTED  
LN.CNT 1003  
INCL INCLM: 435/091.200  
INCLS: 435/006.000; 435/091.100  
NCL NCLM: 435/091.200; 435/006.000  
NCLS: 435/006.000; 435/091.100; 435/270.000  
IC IPCI C12Q0001-68 [I,A]; C12N0001-08 [I,A]  
IPCI-2 C12Q0001-68 [I,A]; C12P0019-34 [I,A]; C12P0019-00 [I,C\*]  
IPCR C12Q0001-68 [I,C]; C12Q0001-68 [I,A]; C07H0021-00 [I,C\*];  
C07H0021-02 [I,A]; C07H0021-04 [I,A]; C12N0015-10 [I,C\*];  
C12N0015-10 [I,A]; C12P0019-00 [I,C]; C12P0019-34 [I,A]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 21 OF 22 USPAT2 on STN  
AN 2006:298421 USPAT2  
TI Biogenic fuel gas generation in geologic hydrocarbon deposits  
IN Pfeiffer, Robert S., Parker, CO, UNITED STATES  
Ulrich, Glenn, Golden, CO, UNITED STATES  
Vanzin, Gary, Arvada, CO, UNITED STATES  
Dannar, Verlin, Sheridan, WY, UNITED STATES  
DeBruyn, Roland P., Highlands Ranch, CO, UNITED STATES  
Dodson, James B., Castle Rock, CO, UNITED STATES  
PA LUCA Technologies, Inc., Golden, CO, UNITED STATES (U.S. corporation)  
PI US 7426960 B2 20080923  
AI US 2006-343429 20060130 (11)  
RLI Continuation-in-part of Ser. No. WO 2005-US15259, filed on 3 May 2005,  
PENDING

DT Utility  
FS GRANTED

LN.CNT 1327  
INCL INCLM: 166/246.000  
INCLS: 166/252.300; 166/272.600  
NCL NCLM: 166/246.000  
NCLS: 166/252.300; 166/272.600; 166/250.010; 166/267.000  
IC IPCI E21B0043-22 [I,A]; E21B0043-16 [I,C\*]; E21B0047-10 [I,A];  
E21B0043-40 [I,A]; E21B0043-34 [I,C\*]  
IPCI-2 E21B0043-22 [I,A]; E21B0043-16 [I,C\*]; E21B0049-08 [I,A];  
E21B0049-00 [I,C\*]  
IPCR E21B0043-16 [I,C]; E21B0043-22 [I,A]; E21B0049-00 [I,C];  
E21B0049-08 [I,A]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 22 OF 22 USPAT2 on STN  
AN 2003:194597 USPAT2  
TI Compositions and methods for microbial dechlorination of polychlorinated  
biphenyl compounds  
IN Sowers, Kevin R., Baltimore, MD, UNITED STATES  
May, Harold D., Charleston, SC, UNITED STATES  
PA University of Maryland, Baltimore, MD, UNITED STATES (U.S. corporation)  
Biotechnology Institute Medical University of South Carolina,  
Charleston, SC, UNITED STATES (U.S. corporation)  
PI US 6946248 B2 20050920  
AI US 2001-860200 20010518 (9)  
PRAI US 2000-205818P 20000519 (60)  
US 2001-266650P 20010206 (60)  
DT Utility  
FS GRANTED  
LN.CNT 1972  
INCL INCLM: 435/006.000  
INCLS: 435/243.000; 435/262.500  
NCL NCLM: 435/006.000; 435/252.300

IC NCLS: 435/243.000; 435/262.500  
 [7]  
 ICM C12Q001-68  
 ICS C12N001-00; B09B003-00  
 IPCI C12N0001-20 [ICM,7]; C12S0001-00 [ICS,7]  
 IPCI-2 C12Q0001-68 [ICM,7]; C12N0001-00 [ICS,7]; B09B0003-00 [ICS,7]  
 IPCR B09C0001-10 [I,C\*]; B09C0001-10 [I,A]; C02F0003-34 [I,C\*];  
 C02F0003-34 [I,A]; C12P0039-00 [I,C\*]; C12P0039-00 [I,A]  
 EXF 435/243; 435/262.5; 435/6; 435/7.1; 435/91.1; 435/91.2; 530/22.1;  
 530/23.1; 530/24.3-24.33  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d 14 14 ab

L4 ANSWER 14 OF 22 USPATFULL on STN

AB A new sulfur-reducing bacterium denoted as KT7 is described. It is a low-GC Gram-positive bacterium related to the genus *Desulfotomaculum*, capable of reducing sulfite and sulfate to sulfide, having an optimum growth at a temperature between 48 and 70° C. at a pH of between 5 and 9 and at a conductivity of the liquid medium between 0 and 40 mS/cm. It can be used in a process for removing sulfur compounds from water, wherein the sulfur-containing water is subjected to anaerobic treatment with the new sulfur-reducing bacteria, with the addition of an electron donor. The sulfur-containing water can be spent scrubbing liquid from a flue gas desulfurization step.

=> s 14 and tires

L5 0 L4 AND TIRES

=> s 14 and (thiophila or palmitatis or deleyianum or acetoxidans)

L6 7 L4 AND (THIOPHILA OR PALMITATIS OR DELEYIANUM OR ACETOXIDANS)

=> d 16 1-7

L6 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2010 ACS on STN

AN 2004:847590 CAPLUS

DN 141:333430

TI Process for surface activation and/or devulcanization of sulfur-vulcanized rubber particles

IN Neumann, Willi

PA Cristallo Holdings Inc., Can.

SO PCT Int. Appl., 20 pp.

CODEN: PIXXD2

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004087799	A1	20041014	WO 2004-IB932	20040329
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

DE 10314893	A1	20041104	DE 2003-10314893	20030401
AU 2004226152	A1	20041014	AU 2004-226152	20040329
CA 2521255	A1	20041014	CA 2004-2521255	20040329
EP 1620498	A1	20060201	EP 2004-724078	20040329
EP 1620498	B1	20080806		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK				
CN 1777636	A	20060524	CN 2004-80010990	20040329
CN 100355821	C	20071219		
JP 2006522198	T	20060928	JP 2006-506400	20040329
BR 2004019272	A	20080408	BR 2004-19272	20040329
AT 403698	T	20080815	AT 2004-724078	20040329
PT 1620498	E	20081117	PT 2004-724078	20040329
ES 2312986	T3	20090301	ES 2004-724078	20040329
RU 2354671	C2	20090510	RU 2005-132452	20040329
ZA 2005008463	A	20061129	ZA 2005-8463	20051019
IN 2005MN01176	A	20060505	IN 2005-MN1176	20051024
US 20070009997	A1	20070111	US 2006-551664	20060621
PRAI DE 2003-10314893	A	20030401		
WO 2004-IB932	W	20040329		

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6	ANSWER 2 OF 7 USPATFULL on STN
AN	2008:354811 USPATFULL
TI	Anaerobic Production of Hydrogen and Other Chemical Products
IN	Cox, Marion E., Morgan Hill, CA, UNITED STATES McDonald, Jeremy N., San Jose, CA, UNITED STATES Nondorf, Laura M., Morgan Hill, CA, UNITED STATES Cox, Steven M., Morgan Hill, CA, UNITED STATES
PI	US 20080311640 A1 20081218
AI	US 2006-912881 A1 20060427 (11) WO 2006-US16332 20060427 20080623 PCT 371 date
PRAI	US 2005-678101P 20050503 (60) US 2005-677856P 20050503 (60) US 2005-678077P 20050503 (60) US 2005-678100P 20050503 (60) US 2005-678098P 20050503 (60) US 2005-677998P 20050503 (60)

DT Utility  
FS APPLICATION

LN.CNT 4369

INCL	INCLM: 435/168.000 INCLS: 435/290.400; 435/286.100; 435/303.200; 435/252.100
NCL	NCLM: 435/168.000 NCLS: 435/252.100; 435/286.100; 435/290.400; 435/303.200
IC	IPCI C12P0003-00 [I,A]; C12M0003-00 [I,A]; C12M0001-36 [I,A]; C12N0001-20 [I,A] IPCR C12P0003-00 [I,C]; C12P0003-00 [I,A]; C12M0001-36 [I,C]; C12M0001-36 [I,A]; C12M0003-00 [I,C]; C12M0003-00 [I,A]; C12N0001-20 [I,C]; C12N0001-20 [I,A]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6	ANSWER 3 OF 7 USPATFULL on STN
AN	2007:120920 USPATFULL
TI	Primers for synthesizing full-length cDNA and their use
IN	Ota, Toshio, Fujisawa-shi, JAPAN Isogai, Takao, Inashiki-gun, JAPAN Nishikawa, Tetsuo, Tokyo, JAPAN Hayashi, Koji, Ichihara-shi, JAPAN

Saito, Kaoru, Kisarazu-shi, JAPAN  
 Yamamoto, Junichi, Kisarazu-shi, JAPAN  
 Ishii, Shizuko, Kisarazu-shi, JAPAN  
 Sugiyama, Tomoyasu, Kisarazu-shi, JAPAN  
 Wakamatsu, Ai, Kisarazu-shi, JAPAN  
 Nagai, Keiichi, Tokyo, JAPAN  
 Otsuki, Tetsuji, Kisarazu-shi, JAPAN  
 PA RESEARCH ASSOCIATION FOR BIOTECHNOLOGY (non-U.S. corporation)  
 PI US 20070105122 A1 20070510  
 AI US 2004-917503 A1 20040813 (10)  
 RLI Division of Ser. No. US 2000-629469, filed on 28 Jul 2000, ABANDONED  
 PRAI JP 1999-248036 19990929  
 JP 1999-300253 19990827  
 JP 2000-118776 20000111  
 JP 2000-183767 20000502  
 JP 2000-241899 20000609  
 US 1999-159590P 19991018 (60)  
 US 2000-183322P 20000217 (60)  
 DT Utility  
 FS APPLICATION  
 LN.CNT 96883  
 INCL INCLM: 435/006.000  
 INCLS: 536/023.200; 530/350.000; 435/069.100; 435/320.100; 435/325.000  
 NCL NCLM: 435/006.000  
 NCLS: 435/069.100; 435/320.100; 435/325.000; 530/350.000; 536/023.200  
 IC IPCI C12Q0001-68 [I,A]; C07H0021-04 [I,A]; C07H0021-00 [I,C\*];  
 C12P0021-06 [I,A]; C07K0014-705 [I,A]; C07K0014-435 [I,C\*]  
 IPCR C12Q0001-68 [I,C]; C12Q0001-68 [I,A]; A61K0038-00 [N,C\*];  
 A61K0038-00 [N,A]; C07H0021-00 [I,C]; C07H0021-04 [I,A];  
 C07K0014-435 [I,C]; C07K0014-47 [I,A]; C07K0014-705 [I,A];  
 C12N0001-19 [I,C\*]; C12N0001-19 [I,A]; C12N0001-21 [I,C\*];  
 C12N0001-21 [I,A]; C12N0015-12 [I,C\*]; C12N0015-12 [I,A];  
 C12P0021-06 [I,C]; C12P0021-06 [I,A]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 4 OF 7 USPATFULL on STN  
 AN 2007:11586 USPATFULL  
 TI Process for surface activation and/or devulcanisation of  
 sulfur-vulcanized rubber particles  
 IN Neumann, Willi, Bad Dueben, GERMANY, FEDERAL REPUBLIC OF  
 PI US 20070009997 A1 20070111  
 AI US 2004-551664 A1 20040329 (10)  
 WO 2004-IB932 20040329  
 20060621 PCT 371 date  
 PRAI DE 2003-10314893 20030401  
 DT Utility  
 FS APPLICATION  
 LN.CNT 367  
 INCL INCLM: 435/130.000  
 INCLS: 521/041.000  
 NCL NCLM: 435/130.000  
 NCLS: 521/041.000  
 IC IPCI C12P0011-00 [I,A]  
 IPCR C12P0011-00 [I,C]; C12P0011-00 [I,A]; C08C0019-00 [I,C\*];  
 C08C0019-08 [I,A]; C08J0011-00 [I,C\*]; C08J0011-18 [I,A];  
 C12P0003-00 [I,C\*]; C12P0003-00 [I,A]; C12P0039-00 [I,C\*];  
 C12P0039-00 [I,A]; C12S0099-00 [I,C\*]; C12S0099-00 [I,A]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 5 OF 7 USPATFULL on STN  
 AN 2003:194597 USPATFULL  
 TI Compositions and methods for microbial dechlorination of polychlorinated

biphenyl compounds  
IN Sowers, Kevin R., Baltimore, MD, UNITED STATES  
May, Harold D., Charleston, SC, UNITED STATES  
PI US 20030134408 A1 20030717  
US 6946248 B2 20050920  
AI US 2001-860200 A1 20010518 (9)  
PRAI US 2000-205818P 20000519 (60)  
US 2001-266650P 20010206 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 1823  
INCL INCLM: 435/252.300  
INCLS: 435/262.500  
NCL NCLM: 435/006.000; 435/252.300  
NCLS: 435/243.000; 435/262.500  
IC [7]  
ICM C12N001-20  
ICS C12S001-00  
IPCI C12N0001-20 [ICM,7]; C12S0001-00 [ICS,7]  
IPCI-2 C12Q0001-68 [ICM,7]; C12N0001-00 [ICS,7]; B09B0003-00 [ICS,7]  
IPCR B09C0001-10 [I,C\*]; B09C0001-10 [I,A]; C02F0003-34 [I,C\*];  
C02F0003-34 [I,A]; C12P0039-00 [I,C\*]; C12P0039-00 [I,A]  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 6 OF 7 USPATFULL on STN  
AN 93:27032 USPATFULL  
TI Method for microbial dehalogenation of haloaliphatic compounds using a sulfate reducing bacteria, desulfomonile tiedjei  
IN Cole, James R., East Lansing, MI, United States  
Fathepure, Babu Z., Lansing, MI, United States  
Tiedje, James M., Lansing, MI, United States  
PA Board of Trustees operating Michigan State University, East Lansing, MI, United States (U.S. corporation)  
PI US 5200343 19930406  
AI US 1991-695295 19910503 (7)  
DT Utility  
FS Granted  
LN.CNT 711  
INCL INCLM: 435/262.500  
INCLS: 435/243.000; 435/262.000; 435/821.000; 435/822.000  
NCL NCLM: 435/262.500  
NCLS: 435/243.000; 435/262.000; 435/821.000; 435/822.000  
IC [5]  
ICM C12N009-00  
ICS C12N001-00  
IPCI C12N0009-00 [ICM,5]; C12N0001-00 [ICS,5]  
IPCR A62D0003-02 [I,A]; A62D0003-00 [I,C\*]; A62D0003-00 [I,A];  
B09C0001-10 [I,C\*]; B09C0001-10 [I,A]; C02F0003-12 [I,C\*];  
C02F0003-12 [I,A]; C02F0003-34 [I,C\*]; C02F0003-34 [I,A];  
C12P0001-04 [I,C\*]; C12P0001-04 [I,A]  
EXF 435/262.5; 435/262; 435/243  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 7 OF 7 USPAT2 on STN  
AN 2003:194597 USPAT2  
TI Compositions and methods for microbial dechlorination of polychlorinated biphenyl compounds  
IN Sowers, Kevin R., Baltimore, MD, UNITED STATES  
May, Harold D., Charleston, SC, UNITED STATES  
PA University of Maryland, Baltimore, MD, UNITED STATES (U.S. corporation)  
Biotechnology Institute Medical University of South Carolina,  
Charleston, SC, UNITED STATES (U.S. corporation)

PI US 6946248 B2 20050920  
AI US 2001-860200 20010518 (9)  
PRAI US 2000-205818P 20000519 (60)  
US 2001-266650P 20010206 (60)  
DT Utility  
FS GRANTED  
LN.CNT 1972  
INCL INCLM: 435/006.000  
INCLS: 435/243.000; 435/262.500  
NCL NCLM: 435/006.000; 435/252.300  
NCLS: 435/243.000; 435/262.500  
IC [7]  
ICM C12Q001-68  
ICS C12N001-00; B09B003-00  
IPCI C12N0001-20 [ICM,7]; C12S0001-00 [ICS,7]  
IPCI-2 C12Q0001-68 [ICM,7]; C12N0001-00 [ICS,7]; B09B0003-00 [ICS,7]  
IPCR B09C0001-10 [I,C\*]; B09C0001-10 [I,A]; C02F0003-34 [I,C\*];  
C02F0003-34 [I,A]; C12P0039-00 [I,C\*]; C12P0039-00 [I,A]  
EXF 435/243; 435/262.5; 435/6; 435/7.1; 435/91.1; 435/91.2; 530/22.1;  
530/23.1; 530/24.3-24.33  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d hist

(FILE 'HOME' ENTERED AT 19:28:17 ON 11 MAR 2010)

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AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS,  
CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB,  
DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 19:28:35 ON 11 MAR 2010  
SEA RUBBER? AND (DESULFUROMONAS OR SULFUOSPIRILLUM)

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1 FILE BIOTECHDS  
1 FILE CAPLUS  
1 FILE IFIPAT  
1 FILE PROMT  
16 FILE USPATFULL  
4 FILE USPAT2  
2 FILE WPIDS  
2 FILE WPINDEX

L1 QUE RUBBER? AND (DESULFUROMONAS OR SULFUOSPIRILLUM)

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19:29:26 ON 11 MAR 2010

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L3 23 DUP REM L2 (1 DUPLICATE REMOVED)  
L4 22 S L3 AND TREAT?  
L5 0 S L4 AND TIRES  
L6 7 S L4 AND (THIOPHILA OR PALMITATIS OR DELEYIANUM OR ACETOXIDANS

=> s 16 and devulcaniz?

L7 2 L6 AND DEVULCANIZ?

=> d 17 1-2

L7 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2010 ACS on STN  
AN 2004:847590 CAPLUS  
DN 141:333430  
TI Process for surface activation and/or devulcanization of

sulfur-vulcanized rubber particles  
 IN Neumann, Willi  
 PA Cristallo Holdings Inc., Can.  
 SO PCT Int. Appl., 20 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA German  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004087799	A1	20041014	WO 2004-IB932	20040329
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	DE 10314893	A1	20041104	DE 2003-10314893	20030401
	AU 2004226152	A1	20041014	AU 2004-226152	20040329
	CA 2521255	A1	20041014	CA 2004-2521255	20040329
	EP 1620498	A1	20060201	EP 2004-724078	20040329
	EP 1620498	B1	20080806		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK				
	CN 1777636	A	20060524	CN 2004-80010990	20040329
	CN 100355821	C	20071219		
	JP 2006522198	T	20060928	JP 2006-506400	20040329
	BR 2004019272	A	20080408	BR 2004-19272	20040329
	AT 403698	T	20080815	AT 2004-724078	20040329
	PT 1620498	E	20081117	PT 2004-724078	20040329
	ES 2312986	T3	20090301	ES 2004-724078	20040329
	RU 2354671	C2	20090510	RU 2005-132452	20040329
	ZA 2005008463	A	20061129	ZA 2005-8463	20051019
	IN 2005MN01176	A	20060505	IN 2005-MN1176	20051024
	US 20070009997	A1	20070111	US 2006-551664	20060621
PRAI	DE 2003-10314893	A	20030401		
	WO 2004-IB932	W	20040329		

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT  
 RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7	ANSWER 2 OF 2 USPATFULL on STN			
AN	2007:11586 USPATFULL			
TI	Process for surface activation and/or devulcanisation of sulfur-vulcanized rubber particles			
IN	Neumann, Willi, Bad Dueben, GERMANY, FEDERAL REPUBLIC OF			
PI	US 20070009997 A1 20070111			
AI	US 2004-551664 A1 20040329 (10)			
	WO 2004-IB932 20040329			
		20060621 PCT 371 date		
PRAI	DE 2003-10314893	20030401		
DT	Utility			
FS	APPLICATION			
LN.CNT	367			
INCL	INCLM: 435/130.000			
	INCLS: 521/041.000			
NCL	NCLM: 435/130.000			

NCLS: 521/041.000  
 IC IPCI C12P0011-00 [I,A]  
 IPCR C12P0011-00 [I,C]; C12P0011-00 [I,A]; C08C0019-00 [I,C\*];  
 C08C0019-08 [I,A]; C08J0011-00 [I,C\*]; C08J0011-18 [I,A];  
 C12P0003-00 [I,C\*]; C12P0003-00 [I,A]; C12P0039-00 [I,C\*];  
 C12P0039-00 [I,A]; C12S0099-00 [I,C\*]; C12S0099-00 [I,A]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> s 16 and surface  
 L8 6 L6 AND SURFACE

=> s 16 and rubber(p)particle?  
 PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH  
 FIELD CODE - 'AND' OPERATOR ASSUMED 'RUBBER(P)PARTICLE?'  
 L9 2 L6 AND RUBBER(P) PARTICLE?

=> d 19 1-2

L9 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2010 ACS on STN  
 AN 2004:847590 CAPLUS  
 DN 141:333430  
 TI Process for surface activation and/or devulcanization of sulfur-vulcanized  
 rubber particles  
 IN Neumann, Willi  
 PA Cristallo Holdings Inc., Can.  
 SO PCT Int. Appl., 20 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA German  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004087799	A1	20041014	WO 2004-IB932	20040329
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	DE 10314893	A1	20041104	DE 2003-10314893	20030401
	AU 2004226152	A1	20041014	AU 2004-226152	20040329
	CA 2521255	A1	20041014	CA 2004-2521255	20040329
	EP 1620498	A1	20060201	EP 2004-724078	20040329
	EP 1620498	B1	20080806		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK				
	CN 1777636	A	20060524	CN 2004-80010990	20040329
	CN 100355821	C	20071219		
	JP 2006522198	T	20060928	JP 2006-506400	20040329
	BR 2004019272	A	20080408	BR 2004-19272	20040329
	AT 403698	T	20080815	AT 2004-724078	20040329
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	ES 2312986	T3	20090301	ES 2004-724078	20040329
	RU 2354671	C2	20090510	RU 2005-132452	20040329
	ZA 2005008463	A	20061129	ZA 2005-8463	20051019
	IN 2005MN01176	A	20060505	IN 2005-MN1176	20051024

US 20070009997 A1 20070111 US 2006-551664 20060621  
PRAI DE 2003-10314893 A 20030401  
WO 2004-IB932 W 20040329

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT  
RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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AN 2007:11586 USPATFULL  
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IN Neumann, Willi, Bad Dueben, GERMANY, FEDERAL REPUBLIC OF  
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AI US 2004-551664 A1 20040329 (10)  
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20060621 PCT 371 date  
PRAI DE 2003-10314893 20030401  
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INCL INCLM: 435/130.000  
INCLS: 521/041.000  
NCL NCLM: 435/130.000  
NCLS: 521/041.000  
IC IPCI C12P0011-00 [I,A]  
IPCR C12P0011-00 [I,C]; C12P0011-00 [I,A]; C08C0019-00 [I,C\*];  
C08C0019-08 [I,A]; C08J0011-00 [I,C\*]; C08J0011-18 [I,A];  
C12P0003-00 [I,C\*]; C12P0003-00 [I,A]; C12P0039-00 [I,C\*];  
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CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d hist

(FILE 'HOME' ENTERED AT 19:28:17 ON 11 MAR 2010)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE,  
AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS,  
CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB,  
DRUGMONOG2, DRUGU, EMBAL, EMBASE, ....' ENTERED AT 19:28:35 ON 11 MAR 2010  
SEA RUBBER? AND (DESULFUROMONAS OR SULFUROSPIRILLUM)

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1 FILE BIOTECHDS  
1 FILE CAPLUS  
1 FILE IFIPAT  
1 FILE PROMT  
16 FILE USPATFULL  
4 FILE USPAT2  
2 FILE WPIDS  
2 FILE WPINDEX

L1 QUE RUBBER? AND (DESULFUROMONAS OR SULFUROSPIRILLUM)

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19:29:26 ON 11 MAR 2010

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L3 23 DUP REM L2 (1 DUPLICATE REMOVED)  
L4 22 S L3 AND TREAT?  
L5 0 S L4 AND TIRES  
L6 7 S L4 AND (THIOPHILA OR PALMITATIS OR DELEYIANUM OR ACETOXIDANS  
L7 2 S L6 AND DEVULCANIZ?

L8 6 S L6 AND SURFACE  
L9 2 S L6 AND RUBBER(P)PARTICLE?

=> d 18 1-6

L8 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2010 ACS on STN  
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PA Cristallo Holdings Inc., Can.  
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CODEN: PIXXD2

DT Patent

LA German

FAN.CNT 1

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	AU 2004226152	A1	20041014	AU 2004-226152	20040329
	CA 2521255	A1	20041014	CA 2004-2521255	20040329
	EP 1620498	A1	20060201	EP 2004-724078	20040329
	EP 1620498	B1	20080806		
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	CN 100355821	C	20071219		
	JP 2006522198	T	20060928	JP 2006-506400	20040329
	BR 2004019272	A	20080408	BR 2004-19272	20040329
	AT 403698	T	20080815	AT 2004-724078	20040329
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	ZA 2005008463	A	20061129	ZA 2005-8463	20051019
	IN 2005MN01176	A	20060505	IN 2005-MN1176	20051024
	US 20070009997	A1	20070111	US 2006-551664	20060621
PRAI	DE 2003-10314893	A	20030401		
	WO 2004-IB932	W	20040329		

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT  
RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 2 OF 6 USPATFULL on STN  
AN 2008:354811 USPATFULL  
TI Anaerobic Production of Hydrogen and Other Chemical Products  
IN Cox, Marion E., Morgan Hill, CA, UNITED STATES  
McDonald, Jeremy N., San Jose, CA, UNITED STATES  
Nondorf, Laura M., Morgan Hill, CA, UNITED STATES  
Cox, Steven M., Morgan Hill, CA, UNITED STATES

PI US 20080311640 A1 20081218  
 AI US 2006-912881 A1 20060427 (11)  
 WO 2006-US16332  
 20060427  
 20080623 PCT 371 date  
 PRAI US 2005-678101P 20050503 (60)  
 US 2005-677856P 20050503 (60)  
 US 2005-678077P 20050503 (60)  
 US 2005-678100P 20050503 (60)  
 US 2005-678098P 20050503 (60)  
 US 2005-677998P 20050503 (60)  
 DT Utility  
 FS APPLICATION  
 LN.CNT 4369  
 INCL INCLM: 435/168.000  
 INCLS: 435/290.400; 435/286.100; 435/303.200; 435/252.100  
 NCL NCLM: 435/168.000  
 NCLS: 435/252.100; 435/286.100; 435/290.400; 435/303.200  
 IC IPCI C12P0003-00 [I,A]; C12M0003-00 [I,A]; C12M0001-36 [I,A];  
 C12N0001-20 [I,A]  
 IPCR C12P0003-00 [I,C]; C12P0003-00 [I,A]; C12M0001-36 [I,C];  
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 C12N0001-20 [I,C]; C12N0001-20 [I,A]  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 3 OF 6 USPATFULL on STN  
 AN 2007:120920 USPATFULL  
 TI Primers for synthesizing full-length cDNA and their use  
 IN Ota, Toshio, Fujisawa-shi, JAPAN  
 Isogai, Takao, Inashiki-gun, JAPAN  
 Nishikawa, Tetsuo, Tokyo, JAPAN  
 Hayashi, Koji, Ichihara-shi, JAPAN  
 Saito, Kaoru, Kisarazu-shi, JAPAN  
 Yamamoto, Junichi, Kisarazu-shi, JAPAN  
 Ishii, Shizuko, Kisarazu-shi, JAPAN  
 Sugiyama, Tomoyasu, Kisarazu-shi, JAPAN  
 Wakamatsu, Ai, Kisarazu-shi, JAPAN  
 Nagai, Keiichi, Tokyo, JAPAN  
 Otsuki, Tetsuji, Kisarazu-shi, JAPAN  
 PA RESEARCH ASSOCIATION FOR BIOTECHNOLOGY (non-U.S. corporation)  
 PI US 20070105122 A1 20070510  
 AI US 2004-917503 A1 20040813 (10)  
 RLI Division of Ser. No. US 2000-629469, filed on 28 Jul 2000, ABANDONED  
 PRAI JP 1999-248036 19990929  
 JP 1999-300253 19990827  
 JP 2000-118776 20000111  
 JP 2000-183767 20000502  
 JP 2000-241899 20000609  
 US 1999-159590P 19991018 (60)  
 US 2000-183322P 20000217 (60)  
 DT Utility  
 FS APPLICATION  
 LN.CNT 96883  
 INCL INCLM: 435/006.000  
 INCLS: 536/023.200; 530/350.000; 435/069.100; 435/320.100; 435/325.000  
 NCL NCLM: 435/006.000  
 NCLS: 435/069.100; 435/320.100; 435/325.000; 530/350.000; 536/023.200  
 IC IPCI C12Q0001-68 [I,A]; C07H0021-04 [I,A]; C07H0021-00 [I,C\*];  
 C12P0021-06 [I,A]; C07K0014-705 [I,A]; C07K0014-435 [I,C\*]  
 IPCR C12Q0001-68 [I,C]; C12Q0001-68 [I,A]; A61K0038-00 [N,C\*];  
 A61K0038-00 [N,A]; C07H0021-00 [I,C]; C07H0021-04 [I,A];  
 C07K0014-435 [I,C]; C07K0014-47 [I,A]; C07K0014-705 [I,A];  
 C12N0001-19 [I,C\*]; C12N0001-19 [I,A]; C12N0001-21 [I,C\*];

C12N0001-21 [I,A]; C12N0015-12 [I,C\*]; C12N0015-12 [I,A];  
C12P0021-06 [I,C]; C12P0021-06 [I,A]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 4 OF 6 USPATFULL on STN  
AN 2007:11586 USPATFULL  
TI Process for surface activation and/or devulcanisation of  
sulfur-vulcanized rubber particles  
IN Neumann, Willi, Bad Dueben, GERMANY, FEDERAL REPUBLIC OF  
PI US 20070009997 A1 20070111  
AI US 2004-551664 A1 20040329 (10)  
WO 2004-IB932 20040329  
20060621 PCT 371 date  
PRAI DE 2003-10314893 20030401  
DT Utility  
FS APPLICATION  
LN.CNT 367  
INCL INCLM: 435/130.000  
INCLS: 521/041.000  
NCL NCLM: 435/130.000  
NCLS: 521/041.000  
IC IPCI C12P0011-00 [I,A]  
IPCR C12P0011-00 [I,C]; C12P0011-00 [I,A]; C08C0019-00 [I,C\*];  
C08C0019-08 [I,A]; C08J0011-00 [I,C\*]; C08J0011-18 [I,A];  
C12P0003-00 [I,C\*]; C12P0003-00 [I,A]; C12P0039-00 [I,C\*];  
C12P0039-00 [I,A]; C12S0099-00 [I,C\*]; C12S0099-00 [I,A]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 5 OF 6 USPATFULL on STN  
AN 2003:194597 USPATFULL  
TI Compositions and methods for microbial dechlorination of polychlorinated  
biphenyl compounds  
IN Sowers, Kevin R., Baltimore, MD, UNITED STATES  
May, Harold D., Charleston, SC, UNITED STATES  
PI US 20030134408 A1 20030717  
US 6946248 B2 20050920  
AI US 2001-860200 A1 20010518 (9)  
PRAI US 2000-205818P 20000519 (60)  
US 2001-266650P 20010206 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 1823  
INCL INCLM: 435/252.300  
INCLS: 435/262.500  
NCL NCLM: 435/006.000; 435/252.300  
NCLS: 435/243.000; 435/262.500  
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ICM C12N001-20  
ICS C12S001-00  
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IPCR B09C0001-10 [I,C\*]; B09C0001-10 [I,A]; C02F0003-34 [I,C\*];  
C02F0003-34 [I,A]; C12P0039-00 [I,C\*]; C12P0039-00 [I,A]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 6 OF 6 USPAT2 on STN  
AN 2003:194597 USPAT2  
TI Compositions and methods for microbial dechlorination of polychlorinated  
biphenyl compounds  
IN Sowers, Kevin R., Baltimore, MD, UNITED STATES  
May, Harold D., Charleston, SC, UNITED STATES  
PA University of Maryland, Baltimore, MD, UNITED STATES (U.S. corporation)

Biotechnology Institute Medical University of South Carolina,  
 Charleston, SC, UNITED STATES (U.S. corporation)

PI US 6946248 B2 20050920  
 AI US 2001-860200 20010518 (9)  
 PRAI US 2000-205818P 20000519 (60)  
 US 2001-266650P 20010206 (60)

DT Utility  
 FS GRANTED  
 LN.CNT 1972  
 INCL INCLM: 435/006.000  
 INCLS: 435/243.000; 435/262.500  
 NCL NCLM: 435/006.000; 435/252.300  
 NCLS: 435/243.000; 435/262.500

IC [7]  
 ICM C12Q001-68  
 ICS C12N001-00; B09B003-00  
 IPCI C12N0001-20 [ICM,7]; C12S0001-00 [ICS,7]  
 IPCI-2 C12Q0001-68 [ICM,7]; C12N0001-00 [ICS,7]; B09B0003-00 [ICS,7]  
 IPCR B09C0001-10 [I,C\*]; B09C0001-10 [I,A]; C02F0003-34 [I,C\*];  
 C02F0003-34 [I,A]; C12P0039-00 [I,C\*]; C12P0039-00 [I,A]

EXF 435/243; 435/262.5; 435/6; 435/7.1; 435/91.1; 435/91.2; 530/22.1;  
 530/23.1; 530/24.3-24.33

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> s 16 and treat?(p)rubber(p)particle?  
 PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH  
 FIELD CODE - 'AND' OPERATOR ASSUMED 'TREAT?(P)RUBBER'  
 PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH  
 FIELD CODE - 'AND' OPERATOR ASSUMED 'RUBBER(P)PARTICLE?'  
 L10 2 L6 AND TREAT?(P) RUBBER(P) PARTICLE?

=> d 1-2

L10 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2010 ACS on STN  
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 DT Utility  
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 LN.CNT 367  
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 INCLS: 521/041.000  
 NCL NCLM: 435/130.000  
 NCLS: 521/041.000  
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 IPCR C12P0011-00 [I,C]; C12P0011-00 [I,A]; C08C0019-00 [I,C\*];  
 C08C0019-08 [I,A]; C08J0011-00 [I,C\*]; C08J0011-18 [I,A];  
 C12P0003-00 [I,C\*]; C12P0003-00 [I,A]; C12P0039-00 [I,C\*];  
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CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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(FILE 'HOME' ENTERED AT 19:28:17 ON 11 MAR 2010)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE,  
 AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS,  
 CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB,  
 DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 19:28:35 ON 11 MAR 2010  
 SEA RUBBER? AND (DESULFUROMONAS OR SULFUROSPIRILLUM)

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 1 FILE BIOTECHDS  
 1 FILE CAPLUS  
 1 FILE IFIPAT  
 1 FILE PROMT

16 FILE USPATFULL  
4 FILE USPAT2  
2 FILE WPIDS  
2 FILE WPINDEX  
L1 QUE RUBBER? AND (DESULFUROMONAS OR SULFUROSPIRILLUM)  
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19:29:26 ON 11 MAR 2010  
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L3 23 DUP REM L2 (1 DUPLICATE REMOVED)  
L4 22 S L3 AND TREAT?  
L5 0 S L4 AND TIRES  
L6 7 S L4 AND (THIOPHILA OR PALMITATIS OR DELEYIANUM OR ACETOXIDANS  
L7 2 S L6 AND DEVULCANIZ?  
L8 6 S L6 AND SURFACE  
L9 2 S L6 AND RUBBER(P) PARTICLE?  
L10 2 S L6 AND TREAT?(P)RUBBER(P) PARTICLE?

STN INTERNATIONAL LOGOFF AT 19:38:59 ON 11 MAR 2010

## Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID: ssspt189dxw

PASSWORD:

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NEWS 12 APR 02 New Thesaurus Added to Derwent Databases for Smooth Sailing through U.S. Patent Codes  
NEWS 13 APR 02 EMBASE Adds Unique Records from MEDLINE, Expanding Coverage back to 1948  
NEWS 14 APR 07 CA/CAplus CLASS Display Streamlined with Removal of Pre-IPC 8 Data Fields  
NEWS 15 APR 07 50,000 World Traditional Medicine (WTM) Patents Now Available in CAplus  
NEWS 16 APR 07 MEDLINE Coverage Is Extended Back to 1947

NEWS EXPRESS FEBRUARY 15 10 CURRENT WINDOWS VERSION IS V8.4.2,  
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=> index bioscience  
FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED  
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INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABAB, CAPLUS, CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB, DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 06:49:51 ON 12 APR 2010

### 63 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view search error messages that display as 0\* with SET DETAIL OFF.

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=> s vulcan? and rubber and (Desulfuromonas or Sulfurospirillum) and temperature
      1  FILE  IFIPAT
      3  FILE  USPATFULL
56 FILES SEARCHED...
      1  FILE  WPIDS
      1  FILE  WPIINDEX
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4 FILES HAVE ONE OR MORE ANSWERS. 63 FILES SEARCHED IN STNINDEX

L1 QUE VULCAN? AND RUBBER AND (DESULFUROMONAS OR SULFUROSPIRILLUM) AND TEMPERATURE

=> file ifipat uspatfull  
COST IN U.S. DOLLARS

FULL ESTIMATED COST

2.07

2.29

FILE 'IFIPAT' ENTERED AT 06:51:27 ON 12 APR 2010  
COPYRIGHT (C) 2010 IFI CLAIMS(R) Patent Services (IFI)

FILE 'USPATFULL' ENTERED AT 06:51:27 ON 12 APR 2010  
CA INDEXING COPYRIGHT (C) 2010 AMERICAN CHEMICAL SOCIETY (ACS)

=> s 11  
L2 4 L1

=> dup rem 12  
PROCESSING COMPLETED FOR L2  
L3 3 DUP REM L2 (1 DUPLICATE REMOVED)

=> d 13 1-3

L3 ANSWER 1 OF 3 USPATFULL on STN  
AN 2008:354811 USPATFULL  
TI Anaerobic Production of Hydrogen and Other Chemical Products  
IN Cox, Marion E., Morgan Hill, CA, UNITED STATES  
McDonald, Jeremy N., San Jose, CA, UNITED STATES  
Nondorf, Laura M., Morgan Hill, CA, UNITED STATES  
Cox, Steven M., Morgan Hill, CA, UNITED STATES  
PI US 20080311640 A1 20081218  
AI US 2006-912881 A1 20060427 (11)  
WO 2006-US16332 20060427  
20080623 PCT 371 date  
PRAI US 2005-678101P 20050503 (60)  
US 2005-677856P 20050503 (60)  
US 2005-678077P 20050503 (60)  
US 2005-678100P 20050503 (60)  
US 2005-678098P 20050503 (60)  
US 2005-677998P 20050503 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 4369  
INCL INCLM: 435/168.000  
INCLS: 435/290.400; 435/286.100; 435/303.200; 435/252.100  
NCL NCLM: 435/168.000  
NCLS: 435/252.100; 435/286.100; 435/290.400; 435/303.200  
IC IPCI C12P0003-00 [I,A]; C12M0003-00 [I,A]; C12M0001-36 [I,A];  
C12N0001-20 [I,A]  
IPCR C12P0003-00 [I,C]; C12P0003-00 [I,A]; C12M0001-36 [I,C];  
C12M0001-36 [I,A]; C12M0003-00 [I,C]; C12M0003-00 [I,A];  
C12N0001-20 [I,C]; C12N0001-20 [I,A]  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 2 OF 3 USPATFULL on STN  
AN 2007:11586 USPATFULL  
TI Process for surface activation and/or devulcanisation of sulfur-  
vulcanized rubber particles  
IN Neumann, Willi, Bad Dueben, GERMANY, FEDERAL REPUBLIC OF  
PI US 2007000997 A1 20070111  
AI US 2004-551664 A1 20040329 (10)  
WO 2004-IB932 20040329  
20060621 PCT 371 date  
PRAI DE 2003-10314893 20030401  
DT Utility  
FS APPLICATION  
LN.CNT 367  
INCL INCLM: 435/130.000

INCLS: 521/041.000  
NCL NCLM: 435/130.000  
NCLS: 521/041.000  
IC IPCI C12P0011-00 [I,A]  
IPCR C12P0011-00 [I,C]; C12P0011-00 [I,A]; C08C0019-00 [I,C\*];  
C08C0019-08 [I,A]; C08J0011-00 [I,C\*]; C08J0011-18 [I,A];  
C12P0003-00 [I,C\*]; C12P0003-00 [I,A]; C12P0039-00 [I,C\*];  
C12P0039-00 [I,A]; C12S0099-00 [I,C\*]; C12S0099-00 [I,A]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 3 OF 3 IFIPAT COPYRIGHT 2010 IFI on STN DUPLICATE 1  
AN 10668169 IFIPAT; IFIUDB; IFICDB  
TI Microorganism coating components, coatings, and coated surfaces;  
Cell-based particulate as surface treatment component; concentrating  
cells and removing culture media; disrupting, drying  
IN McDaniel C Steven  
PA Reactive Surfaces Ltd (74649)  
PI US 20040175407 A1 20040909 (CITED IN 004 LATER PATENTS)  
AI US 2004-792516 20040303 (10)  
RLI US 2003-655345 20030904 CONTINUATION PENDING  
PRAI US 2002-409102P 20020909 (Provisional)  
FI US 20040175407 20040909  
DT Utility; Patent Application - First Publication  
FS CHEMICAL  
APPLICATION  
ED Entered STN: 10 Sep 2004  
Last Updated on STN: 25 Sep 2006  
CLMN 308

=> s 13 and (thiophila or palmitatis or deleyianum or acetooxidans)  
L4 1 L3 AND (THIOPHILA OR PALMITATIS OR DELEYIANUM OR ACETOXIDANS)

=> d 14 1

L4 ANSWER 1 OF 1 USPATFULL on STN  
AN 2007:11586 USPATFULL  
TI Process for surface activation and/or devulcanisation of sulfur-  
vulcanized rubber particles  
IN Neumann, Willi, Bad Dueben, GERMANY, FEDERAL REPUBLIC OF  
PI US 20070009997 A1 20070111  
AI US 2004-551664 A1 20040329 (10)  
WO 2004-IB932 20040329  
20060621 PCT 371 date  
PRAI DE 2003-10314893 20030401  
DT Utility  
FS APPLICATION  
LN.CNT 367  
INCL INCLM: 435/130.000  
INCLS: 521/041.000  
NCL NCLM: 435/130.000  
NCLS: 521/041.000  
IC IPCI C12P0011-00 [I,A]  
IPCR C12P0011-00 [I,C]; C12P0011-00 [I,A]; C08C0019-00 [I,C\*];  
C08C0019-08 [I,A]; C08J0011-00 [I,C\*]; C08J0011-18 [I,A];  
C12P0003-00 [I,C\*]; C12P0003-00 [I,A]; C12P0039-00 [I,C\*];  
C12P0039-00 [I,A]; C12S0099-00 [I,C\*]; C12S0099-00 [I,A]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d hist

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INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS, CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB, DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 06:49:51 ON 12 APR 2010  
SEA VULCAN? AND RUBBER AND (DESULFUROMONAS OR SULFUROSPIRILLUM)

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1 FILE IFIPAT  
3 FILE USPATFULL  
1 FILE WPIDS  
1 FILE WPINDEX

L1 QUE VULCAN? AND RUBBER AND (DESULFUROMONAS OR SULFUROSPIRILLUM)

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FILE 'IFIPAT, USPATFULL' ENTERED AT 06:51:27 ON 12 APR 2010

L2 4 S L1  
L3 3 DUP REM L2 (1 DUPLICATE REMOVED)  
L4 1 S L3 AND (THIOPHILA OR PALMITATIS OR DELEYIANUM OR ACETOXIDANS

=> logoff  
ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:y

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FULL ESTIMATED COST	10.95	13.24

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